



Street / Sanitation / Recycling  
705 South River Road  
West Lafayette, IN 47906  
Phone: (765) 775-5242  
Fax: (765) 746-1302

June 22, 2009

TO: Mayor Dennis and West Lafayette Board of Works Members  
FROM: David A. Downey, Street Commissioner  
RE: Specification for One (1) New 2010 Tandem Cab and Chassis  
Equipped with Hook Hoist and Automatic Tarping System

It is requested that you approve the following specification for one (1) new 2010 tandem cab and chassis equipped as per attached bid specifications.

Optional Trade-in:  
1996 Ford Chassis with Galbreath Hook Serial # 1FDZY82E0TVA2761

It is also requested that the Clerk-Treasurer set publish and bid opening date.

CC: Sana Booker, Member  
Brad Marley, Member  
Judith Rhodes, Clerk-Treasurer  
File

**General:** Specifications for new 2010 tandem cab and chassis with 60,000 pound capacity hook hoist and automatic tarping system. Unit is to be bid as One Complete Unit. (Reference within the specs to a brand name or manufacturer's name or specs is for reference only, and may be supplied with an approved substitute of equal or better quality). Equipment that is bid pursuant to these specifications shall be of equal quality and size, or greater, to those referenced, and are subject to approval by the purchaser. These are minimum specifications. Bidder must address compliance section. If any part of an item that is not in compliance than that item must be marked "no" an explanation can be provided on a separate sheet with the benefits of that item to the county. A "no" will not automatically exclude a bid. It will be up to the purchasers discretion on what items will be termed equal. Any items not listed on the exception sheet will be assumed to be part of the unit. Bidders must submit with their bid a complete specification on the unit they propose to furnish. Original copies of vehicle specifications and literature must be provided with the bid. Fax copies or unreadable copies of literature or specifications will not be allowed.

Bidder shall complete the right hand column of the specifications. The Bidder shall also specifically mention those items where the unit being bid does not meet the Owners minimum requirements at the bottom of the page where that item is mentioned. It is brought to the attention of the Bidder that not meeting the Owner's minimum requirements does not necessarily mean that the bid will be rejected. The degree to which the unit conforms to the specifications will be considered in the Owner's evaluation of the bids.

The successful Bidder shall indemnify and save harmless the local agency from any and all suits, costs and penalties or claims for infringements by reason of any patented designs, devices, or materials or any trademark or copyright in connection with the specific unit furnished under this proposal at anytime during manufacture and after purchase of the specified unit(s).

Term "or Equal": Where the term "or equal" is used in these specifications and Bidder deviated from the specified item, he shall file (with his bid) a letter fully explaining and justifying his proposed article or equal.

Acceptance of Unit: Payment for the above vehicle shall be made after the completed unit is delivered to the West Lafayette Street Department and after the authorized representative of West Lafayette Street Department have given approval of the satisfactory delivery and operation of said unit(s).

A certificate of origin shall be furnished with each unit as it is delivered.

The purchaser reserves the right to reject any or all bids.

Minimum Specifications for Chassis	Compliance
Chassis length shall meet needs of hoist manufacturer's tarp system and front mount PTO system. Base Chassis—6X4 with 252 inch wheel base 185- inch cab to axle, 75-inch axle to frame.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Frame Rail -heat treated alloy steel. Single Rail (120,000 PSI yield) 10.125"x 3.580"x .312"	<input type="checkbox"/> Yes <input type="checkbox"/> No
Frame Reinforcement, outer "C" channel, heat treated, alloy steel (120,000 PSI steel) 10.813" x3.892" x0.312" continuous front bumper to tail lights, without any alterations or modifications Min. two rail strength 3,806,400 RBM, Section Modulus 31.72	<input type="checkbox"/> Yes <input type="checkbox"/> No
Crossmember, Front for hydraulic pump, mounting flange to accommodate pump	<input type="checkbox"/> Yes <input type="checkbox"/> No
Frame Extension, Front Integral, With "C" channel reinforcement, 20" in front of grille	<input type="checkbox"/> Yes <input type="checkbox"/> No
Front Bumper, Steel Swept Back	<input type="checkbox"/> Yes <input type="checkbox"/> No
Axle-front--non-driving Dana Spicer wide track I-beam type, 20,000lb. Capacity or Equal To include: Multi-leaf, Shackle Type 20,000-lb Capacity with Shock Absorbers Springs,	<input type="checkbox"/> Yes <input type="checkbox"/> No
The Cab to Chassis Mounting System shall remain attached to the Vehicle Chassis and in an orientation similar to its original position when subjected to 20g deceleration load in a forward direction, Components in the mounting system may become distorted or broken but never dislodged	<input type="checkbox"/> Yes <input type="checkbox"/> No

from the original mounting location.	
<b>BRAKES</b>	
Air dual system for straight truck application includes: air compressor air supply and supply line brake chambers, spring (4) rear parking	<input type="checkbox"/> Yes <input type="checkbox"/> No
Brake lines color-coded nylon	<input type="checkbox"/> Yes <input type="checkbox"/> No
Dust shields-rear brake Dust shields-front brake	<input type="checkbox"/> Yes <input type="checkbox"/> No
Slack adjusters-rear brake, automatic Slack adjusters-front brake, automatic	<input type="checkbox"/> Yes <input type="checkbox"/> No
Parking brake valve yellow knob, located on dash panel	<input type="checkbox"/> Yes <input type="checkbox"/> No
Spring brake modulator valve.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Gauge, air pressure-located on dash panel.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Air brake -ABS system, 4 channel, full vehicle wheel control	<input type="checkbox"/> Yes <input type="checkbox"/> No
Air dryer - Bendix AD9, with heater	<input type="checkbox"/> Yes <input type="checkbox"/> No
Drain valve, automatic Bendix DV-2 with heater; for air tank	<input type="checkbox"/> Yes <input type="checkbox"/> No
Brakes - front air cam 16.5" x 6.0" to include 24 sq. in. MGM long stroke brake chamber	<input type="checkbox"/> Yes <input type="checkbox"/> No
Brakes rear--air cam 16.5" x 7" to include 30 sq. in. MGM long stroke brake chamber	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No
Air compressor (Bendix TU-FLO 550) 13.2 CFM.	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>STEERING</b>	
Steering column tilting Steering wheel 2-spoke 18" diameter Steering gear (Shepard M-100/M-80) Dual Power	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>EXHAUST SYSTEM</b>	
Exhaust system shall meet the needs of the hoist manufacturer and tarp system.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Switch for Exhaust 2 position lighted and Latching, on/off type mounted in IP inhibits regeneration as long as switch is in on position	<input type="checkbox"/> Yes <input type="checkbox"/> No
Tail Pipe (1) Turnback Type, non Bright Finish for Single Exhaust	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>ELECTRICAL SYSTEM</b>	
12 Volt	<input type="checkbox"/> Yes <input type="checkbox"/> No
To include: Steel battery box with fiberglass cover, mounted right side behind cab	<input type="checkbox"/> Yes <input type="checkbox"/> No
Turn signal switch-self canceling, head light dimmer (with flash to pass feature), head lights (2) sealed beam halogen 5" x 7" rectangle.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Horn-electric single	<input type="checkbox"/> Yes <input type="checkbox"/> No
Parking light--integral with front turn signal and rear tail light.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Stop, turn, tail and back-up lights - dual	<input type="checkbox"/> Yes <input type="checkbox"/> No
Starter switch electric key operated	<input type="checkbox"/> Yes <input type="checkbox"/> No
Running lights (2) day time.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Turn signals, front flush mounted-to include reflectors and aux side turn signals, solid-state flashers.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Pre Trip Light Inspection and Headlights on with Wipers on	<input type="checkbox"/> Yes <input type="checkbox"/> No
Windshield wipers, single motor electric. Windshield wiper switch, 2-speed with wash and intermittent feature	<input type="checkbox"/> Yes <input type="checkbox"/> No
Wiring--chassis color coded and continuously numbered	<input type="checkbox"/> Yes <input type="checkbox"/> No
Cigarette lighter and Ash Cup or Ashtray	<input type="checkbox"/> Yes <input type="checkbox"/> No
Alternator--12 volt, 130-amp capacity, and pad mounted. {Leece-Neville LBP2190	<input type="checkbox"/> Yes <input type="checkbox"/> No

Battery System (3) Maintenance Free 12-Volt 1950CCA Total	<input type="checkbox"/> Yes <input type="checkbox"/> No
Power source Cigarette Lighter type without lighter	<input type="checkbox"/> Yes <input type="checkbox"/> No
Radio--standard AM/FM with weather band, clock and dual speakers.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Backup alarm electric 102 DBA	<input type="checkbox"/> Yes <input type="checkbox"/> No
Auxiliary harness 3.0' for Auxiliary Front Head lights and turn signals for front plow applications	<input type="checkbox"/> Yes <input type="checkbox"/> No
Body Builder wiring to back of cab at left frame includes sealed connectors for tail/amber, turn/marker, backup/accessory, ground and sealed connector for stop/turn	<input type="checkbox"/> Yes <input type="checkbox"/> No
Horn air--single trumpet.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Starter -- 12 volt (heavy duty) less thermal overcrank protection.(Delco 39MT)	<input type="checkbox"/> Yes <input type="checkbox"/> No
Circuit breakers--manual-reset (main panel), SAE type III with trip indicators, this to replace all fuses (except 5 amps).	<input type="checkbox"/> Yes <input type="checkbox"/> No
2-Way Radio Wiring Effects; header mounted Wiring with 20-Amp Fuse Protection, Includes Ignition Wire with 5 Amp Fuse, wire ends heat shrink	<input type="checkbox"/> Yes <input type="checkbox"/> No
Windshield wiper speed control, force wipers to slowest intermittent speed when park brake set and wipers left on for predetermined time.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Remote power module, for bodybuilder, 6 switches in instrument panel, one power module with 6 channel, 20 amp max. per channel and 80 amp max. output, switches control the power thru multiplex wiring, power module mounted inside cab	<input type="checkbox"/> Yes <input type="checkbox"/> No
Switch, toggle for work light on back of cab ( work light furnished by customer)	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>FRONT END</b>	
Tilt hood with stationary grill, chrome, with bug screen/rock guard.	
Hood shall meet the needs of front mount PTO.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fender extensions injection molded PTO	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>PAINT</b>	
Paint, Cab, base coat / clear coat type, white	<input type="checkbox"/> Yes <input type="checkbox"/> No
Frame & axles black air tanks, & steps Powder coated black	
<b>ENGINE</b>	
Block heater, engine 120 volt, 1250 watt, to include block heater socket receptacle.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Diesel, MaxxForce 10 @ 350HP, 1150 lb-ft. torque @ 1200 rpm, 2200 rpm governed speed	<input type="checkbox"/> Yes <input type="checkbox"/> No
To include: Gauge air cleaner restriction--mounted on air cleaner Fuel/water separator Cold Starting equipment intake manifold electric Grid heater with engine EMC control Wet type cylinder sleeves Cruise control electronic--controls integral to steering wheel Throttle, hand control, 2 speed Engine shut down electric--key operated Governor road speed electronic Engine oil drain plug magnetic Oil filter engine oil spin on type Damper crankshaft viscous Fan, viscous type Fuel filter, engine mounted	<input type="checkbox"/> Yes <input type="checkbox"/> No
Radiator--1228 sq. in aluminum radiator core with internal water to oil transmission cooler and 1167 sq. in. charge air cooler. Above Frame Rails	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>NO HOLE IN RADIATOR</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
To include: Anti-freeze, extended life--40F (-40C)	<input type="checkbox"/> Yes <input type="checkbox"/> No

Deaeration system with surge tank Radiator hoses premium, rubber	
Air cleaner single element with integral snow valve and in cab control, with restriction gauge	<input type="checkbox"/> Yes <input type="checkbox"/> No
PTO Effects, engine front PTO unit, includes adapter plate on engine front mounted	<input type="checkbox"/> Yes <input type="checkbox"/> No
Powder coated engine oil pan	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>TRANSMISSION</b>	
Transmission, Automatic Allison 3000 RDS_P 5 speed with overdrive, On/Off Hwy, includes Oil level sensor, with PTO provision less retarder with 80,000 GVW & GCW max.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Transmission Shift Control , Allison Push Button	<input type="checkbox"/> Yes <input type="checkbox"/> No
Allison Shift Parameter for snow plows, S1 performance in primary, S4 economy in secondary	<input type="checkbox"/> Yes <input type="checkbox"/> No
Transmission Oil Synthetic	<input type="checkbox"/> Yes <input type="checkbox"/> No
Transmission ECM must be located inside cab	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>REAR AXLE</b>	
Dana Spicer DD46-170HP/R46-170DH, single reduction 46,000 lb. capacity, with lube oil pump, and R wheel ends, with driver controlled locking differential in rear-rear axle . .	<input type="checkbox"/> Yes <input type="checkbox"/> No
Gear ratio 4.30 to include: Magnetic rear axle drain plug Axle, to include Powder Divider Lock Air Operated, Cab Control with indicator light Suspension Rear Tandem (Hendrickson HMX 460-54); Walking Beam Type 54" axle spacing; 46,000 capacities with Rubber end bushings, Transverse Torque Rods, with shock absorbers.	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>FUEL TANK</b>	
Top draw, Aluminum, 70 US gal total capacity mounted under cab Left Side, Min.(2) large self cleaning steps, ladder design	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fuel lines nylon tubing with O-ring snap on quick connect fittings at both ends	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fuel/water Separator (Fleetguard) with thermostatic fuel temperature controlled electric heater, and fuel filter with filter restriction/change indicator in a single assembly.	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>CAB</b>	
Conventional steel	<input type="checkbox"/> Yes <input type="checkbox"/> No
To include: Clearance marker lights (5) flush mount Arm Rests (2) Floor covering (rubber-black) Coat Hook Grab handles (2) Steps (2 steps per door) Glass (all windows tinted)	<input type="checkbox"/> Yes <input type="checkbox"/> No
Gauge cluster to include: Odometer display, miles/trip miles, engine hours/trip hours, fault code read out. Warning System, low fuel, low oil pressure, high engine coolant temp. and low battery voltage. Washer fluid level. (visual and audible). Gauge cluster 6,engine oil pressure (electronic), water temp (electronic) fuel (electronic) tachometer (electronic), air pressure, voltmeter	<input type="checkbox"/> Yes <input type="checkbox"/> No
Seat-driver to include: Air suspension, high back with integral heat rest, Vinyl, isolated with 2-position front cushion adjustment, -3 to +14 degree seat back adjustment, Single chamber air lumbar support, cushion and back bolsters	<input type="checkbox"/> Yes <input type="checkbox"/> No
Arm Rest, Right, Driver Seat	<input type="checkbox"/> Yes <input type="checkbox"/> No
Passenger seat shall be same as driver.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Vehicle must comply with SAE J2422 Cab Roof Strength Evaluation	<input type="checkbox"/> Yes <input type="checkbox"/> No
Mirrors (2) - Styled; rectangular, 7.09" x 15.75", brackets breakaway type with 102" wide	<input type="checkbox"/> Yes <input type="checkbox"/> No

spacing, with integral convex both sides, all heated heads, thermostatically controlled, with clearance lights LED, bright finish head & brackets.	
Mirror, Convex, hood mounted (2) Heated left and right sides bright finish	<input type="checkbox"/> Yes <input type="checkbox"/> No
Window, Power (2) and power locks, left and right doors	<input type="checkbox"/> Yes <input type="checkbox"/> No
Grab handle--towel bar type anti-slip rubber inserts for cab entry left and right side	<input type="checkbox"/> Yes <input type="checkbox"/> No
Air conditioner with integral heater and defroster, includes APADS, with fresh air filter	<input type="checkbox"/> Yes <input type="checkbox"/> No
Cab Interior to include: Dome light center mounted Sun visors (2) Storage pocket door left and right doors Console, Over Head includes Dual Pockets and 2-way Radio Pocket Cab insulation, dash, interior and engine cover insulator	<input type="checkbox"/> Yes <input type="checkbox"/> No
Cab Rear Suspension (air bag type)	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>PAINT</b>	
White	<input type="checkbox"/> Yes <input type="checkbox"/> No
Base Coat / Clear Coat	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>WHEELS</b>	
Front disc. 12.25"x22.5" steel, 10 stud with steel hubs Rear disc 8.25"x22.5" steel, 10 stud with steel hubs Wheel seals front - oil lubricated, included are wheel bearings	<input type="checkbox"/> Yes <input type="checkbox"/> No
Wheel Guards, Front & Rear Axles	<input type="checkbox"/> Yes <input type="checkbox"/> No
Tires (2) front 425/80R22.5 (Goodyear) G-286 load range (L) 20 ply Tires (8) rear 11R22.5 (Goodyear) G-164RTD M&S load range (G) 14 ply	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Safety:</b> Truck and equipment to conform to All State and Federal occupational health and safety requirements, including back up warning device.	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>LIGHTING:</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
Lighting: lights and reflectors: All lights shall meet federal requirement FMVSS No.108	<input type="checkbox"/> Yes <input type="checkbox"/> No
All body wiring shall be in a complete pre built sealed factory wiring harness. Harness shall be fully wrapped to prevent damage and shall require only three leads to tie into chassis lighting system (a simple wire loom will not be accepted). Body builder shall provide a complete wiring schematic of all add on light wires upon delivery.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fleet ISIS Service Manual and Parts Catalog Web Based at no charge to you for 3 years This is \$5700.00 Value absolutely free for the 1st 3 years.	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Warranty to be Bid as Standard</b>	
	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Minimum Specifications for Body and Equipment:</b>	
These specifications shall describe a Heavy-Duty Hook Hoist	<b>Compliance</b>
Alternate to these specifications shall be noted separately at the end of the proposal.	
<b>Any items needed to be moved by body company shall NOT VOID OEM warranty. Body company accepts responsibility for warranty issues that OEM fails to cover.</b>	

Structural Specifications	
Main Frame: (2) Formed T-1 minimum 110,000 PSI rails with A500 Grade "C" Rectangular Cross Tubes	<input type="checkbox"/> Yes <input type="checkbox"/> No
Jib and Pivot Frame: A514 T-1 and Structural Tubing A500 Grade "C"	<input type="checkbox"/> Yes <input type="checkbox"/> No
Tail Pivot Arm: A514 T-1 minimum 110,000 PSI	<input type="checkbox"/> Yes <input type="checkbox"/> No
Lower Lift Cylinder Mounting Brackets: ¾" A36 Inner and 1 ¼" Outer Cylinder Mounting Brackets welded to an ASTM A500 Grade "C" Crossmember with a minimum section modulus of 21.2 cubic inches specifically designed to secure the 2 ¾" CFRD 1045 91,000 PSI Cylinder Pin.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Upper Lift Cylinder Mounting Bracket: (2) ½" A572 65,000 PSI Inner and Outer Cylinder Mounting Brackets per side. The outer brackets are attached to the Inner Brackets by two heavy duty ASTM A500 Grade C Tubing Crossmembers. The Inner Brackets are directly welded to the Center Jib Tube that has a minimum section modulus of 86.89 cubic inches. Both the Outer and Inner Brackets are connected directly to the Center Pivot Hinge. The brackets contain two fully welded Cold Finished Round Mechanical 1026 72,000 PSI Bushings per side. The assembly in total is specifically designed to secure the 2 ¾" CFRD 1045 91,000 PSI Cylinder Pin.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Jib Wear Strips: A514 T-1 minimum 110,000 PSI	<input type="checkbox"/> Yes <input type="checkbox"/> No
Cylinder Pins: CFRD 1045 91,000 PSI	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hinge Pins: CFRD 1045 91,000 PSI	<input type="checkbox"/> Yes <input type="checkbox"/> No
Latch Hooks Springs: Stainless Steel	<input type="checkbox"/> Yes <input type="checkbox"/> No
Outboard Supported Upper Lift Shaft	<input type="checkbox"/> Yes <input type="checkbox"/> No
Tail Pivot Arm and Pivot Mechanical Interlock	<input type="checkbox"/> Yes <input type="checkbox"/> No
Outside Controls: Standard	<input type="checkbox"/> Yes <input type="checkbox"/> No
Container Side Roller: Three per Side	<input type="checkbox"/> Yes <input type="checkbox"/> No
Rear Rollers: Dual Pivoting Container Guide Rollers	<input type="checkbox"/> Yes <input type="checkbox"/> No
Pivot Points: Hardened Steel Bushings and Grease fittings	
REAR HINGE AND APRON ASSEMBLY	
Apron Weldment Assembly Welded to Chassis	<input type="checkbox"/> Yes <input type="checkbox"/> No
Four ½" A572 65,000 PSI Rear Hinge Plates welded to the Hoist Rear Apron Assembly	<input type="checkbox"/> Yes <input type="checkbox"/> No
4" x 2 ½" Bushings running full hinge length	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hinge Bushings are Heat Treated	<input type="checkbox"/> Yes <input type="checkbox"/> No
2 ½" x 43 ½" CFRD 1045 91,000 PSI Full Length Free Floating Rear Hinge	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hinge Bushings are grease grooved with grease Zerks installed for ease of maintenance.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Bumper: 5" x 7 9/16" x 95 7/8" Formed Outer Steel Channel with 5" Legs and 12 Ga. 7" x 95 5/8" Formed Inner Steel Channel with 3 ½" Legs Engineered Specifically to hold Clearance, Tail, Brake, Backup, Maker, License Plate and Turn Signal Lights.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Bumper: Recessed Lights Standard	<input type="checkbox"/> Yes <input type="checkbox"/> No
Inside Tower: Air controls for Hoist and PTO Switch	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fenders: Aluminum Diamond Plate	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hoist Props: Dual Safety Props	<input type="checkbox"/> Yes <input type="checkbox"/> No
Primed and Painted Black	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>NOTE:</b> All main frames and manufactured components shall be jigged when fabricated to assure interchangeability of parts.	

<b>HYDRAULIC SPECIFICATIONS</b>	
Pump: Gear Type, 37.5 G.P.M. @ 1500 RPM	<input type="checkbox"/> Yes <input type="checkbox"/> No
Valve: Minimum 5000 PSI rated 2 Spool Sectional, 65 G.P.M. with Main Relief with Air Operated Graphite Impregnated Cylinders with Manual Controls Outside.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Return Oil Filter: Replaceable, 120 G.P.M., 3 Micron with Bypass.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Oil Reservoir: 50 Gallon Steel reservoir with 3 Micron Air Breather, 3 Micron In Tank Return Filter and Window Type Sight Gage with Temperature Gauge.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Suction Strainer: Replaceable, 100 Wire Mesh with Built-in Bypass	<input type="checkbox"/> Yes <input type="checkbox"/> No
System Total Oil Capacity: 50 Gallons	<input type="checkbox"/> Yes <input type="checkbox"/> No
Shutoff Valves: 2" Ball Valve with Zip Tie	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hydraulic Fittings: Swivel, O-Ring Fittings and JIC	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hydraulic Hoses: 4 Wire High Pressure	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hose Guards: Metal Spring Hose Guards for required all pivot points	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hydraulic Tubing: 3/4" Min.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Lift Cylinders: (2) 7" x 3 1/2" x 81" High Pressure Cylinders with Hardened Steel Bushings, Chrome Rods and Built-In Counter Balance Valves	<input type="checkbox"/> Yes <input type="checkbox"/> No
Oil Reservoir Air Breather: Replaceable 3 Micron	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hydraulic Oil: Dual Range High Viscosity Oil for Outstanding Cold and Warm Weather Performance.	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>ELECTRICAL SPECIFICATIONS</b>	
FMVSS Compliant and CMVSS Compliant	<input type="checkbox"/> Yes <input type="checkbox"/> No
Sealed Lights	<input type="checkbox"/> Yes <input type="checkbox"/> No
Lights to be rubber mounted	<input type="checkbox"/> Yes <input type="checkbox"/> No
Hoist Up Alarm	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>TARPING SYSTEM</b>	
Rack 'N Pinion Rollmaster w/ Gantry Framework	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Gantry</b>	
Vertical movement of Roll Base/rest assembly from 60" to 96"	<input type="checkbox"/> Yes <input type="checkbox"/> No
STATIONARY SECTION LEGS- 4" x3" x3/16" A 500B Steel Tube	<input type="checkbox"/> Yes <input type="checkbox"/> No
Tarp tube and mounting brackets to facilitate quick tarp replacement	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>SPRING LOADED ROLLER ASSEMBLY</b>	
Mounted between Telescopic Pivot Arms	<input type="checkbox"/> Yes <input type="checkbox"/> No
3 1/2" OD Galvanized Steel Tube	<input type="checkbox"/> Yes <input type="checkbox"/> No
1" Solid Steel Shaft	<input type="checkbox"/> Yes <input type="checkbox"/> No
Sealed Ball Bearings	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>TELESCOPIC PIVOT ARMS- "LOW ARM"</b>	
Hydraulically adjustable in length. 36" of adjustment, Cylinder w/ nitride steel rod, mounted externally on base arm.	<input type="checkbox"/> Yes <input type="checkbox"/> No
BASE ARM- 2 1/2" sq x 1/4" Steel Tube	<input type="checkbox"/> Yes <input type="checkbox"/> No
RACK GEAR- T1 Abrasion Resistant Steel	<input type="checkbox"/> Yes <input type="checkbox"/> No
PINION GEAR- T1 Abrasion Resistant Steel	<input type="checkbox"/> Yes <input type="checkbox"/> No
Moving parts are fully protected and guarded	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>CHASSIS MOUNTING TUBES</b>	



Fabricated Weldmount	<input type="checkbox"/> Yes <input type="checkbox"/> No
2 ½" sq x ¼" Steel Tube	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>HYDRAULICS</b>	
<b>FLOW DIVERTER</b>	
1 GPM constant flow from control port side, w/ integral	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>PRESSURE RELIEF VALVE</b>	
<b>COVER CONTROL VALVE</b>	
Open Center Configuration	<input type="checkbox"/> Yes <input type="checkbox"/> No
Triple Manually operated 4 way valves	<input type="checkbox"/> Yes <input type="checkbox"/> No
Adjustable Pressure Relief Valve	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>FLOW DIVIDER/COMBINER</b>	
Cartridge type. 50/50 division of flow. Accurate to + or – 4% of flow	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>ARM MOVEMENT CYLINDERS (RACK &amp; PINION)</b>	
2 ½" Bore x 1 ¼" Rod x 16" stroke	<input type="checkbox"/> Yes <input type="checkbox"/> No
Double Acting Chromed Rod Welded and Re-buildable	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>GANTRY LIFT CYLINDER</b>	
2" Bore x 1 ¼" Rod x 36" Stroke	<input type="checkbox"/> Yes <input type="checkbox"/> No
Double Action Chromed Rod Welded and Re-buildable	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>FLOW CONTROLS</b>	
<b>COVER TARP</b>	
Mesh with reinforcing Front & rear	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>CONSTRUCTION</b>	
Reinforced 6 feet on both ends	<input type="checkbox"/> Yes <input type="checkbox"/> No
Shock cords on both sides	<input type="checkbox"/> Yes <input type="checkbox"/> No
Pocket on rear to accept tarp tube for ease of tarp replacement	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>MISCELLANEOUS</b>	
All brackets etc. are Fabricated Steel Weldments	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Optional Trade:</b>	
1996 Ford Chassis with Galbreath Hook Serial # 1FDZY82EOTVA2761	
<b>WARRANTY: Please state manufacturer warranty.</b>	